



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406 FAX (603) 271-7894



Dr. John Fernald
124 Brock Hill Road
Bristol, NH 03222

May 24, 2002
Letter of Deficiency
DAM #030.01

RE: Dick Brown Pond, Bridgewater

Dear Dr. Fernald:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on September 9, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

- There is minor brush on the upstream face to the left of the sluiceway;
2. There are trees and heavy brush on the crest of the dam, from the stoplog bay to the end of the left embankment;
 3. To the left of the stoplog bay, there are trees and brush within 10 feet of the downstream toe of the dam;
 4. There is heavy brush along the downstream right stone face of the dam, within 10 feet of the toe of the dam;
 5. There are small amounts of debris in the stoplog bay;
 6. The overflow spillway to the left of the gatehouse is deteriorated and overgrown with brush;
 7. The concrete in the stoplog bay is cracked and deteriorated;
 8. There is an area of seepage at the downstream toe approximately 20 feet to the left of the stoplog bay;
 9. The low level outlet gate is operable; and
 10. There is no operation and maintenance plan on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

August 20, 2002:

1. Remove trees and brush from the following locations:
 - a. Upstream face to the left of the sluiceway;
 - b. Crest of the dam, from the stoplog bay to the left embankment;
 - c. Within 10 feet from the downstream toe of the dam; and

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d Downstream face of the spillway abutments.

Clear overflow spillway to the left of the gatehouse, and repair any structural damage to this spillway such that it is in good working condition;

3. Repair the concrete in the stoplog bay that is cracked and deteriorated;
4. Prepare and submit to the DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines;

November 30, 2002:

5. Render the low level outlet operable; and

Continuously Monitor:

6. Monitor the area of seepage located at the downstream toe approximately 20 feet to the left of the stoplog bay. Contact us immediately if you notice any increase in seepage flow.

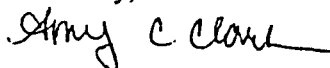
Due to the time that has lapsed as well as additional deficiencies observed as a result of the September 9, 2001 inspection, DES will be officially closing out the 1992 LOD. Enclosed is a copy for your reference. This LOD will replace the 1992 LOD. It is our hope that the additional deficiencies as well as the outstanding deficiencies will be addressed within the schedule indicated above.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,



Amy C. Clark
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13, Copy of 1992 LOD

cc: Gretchen Rule ✓

Town of Bridgewater

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